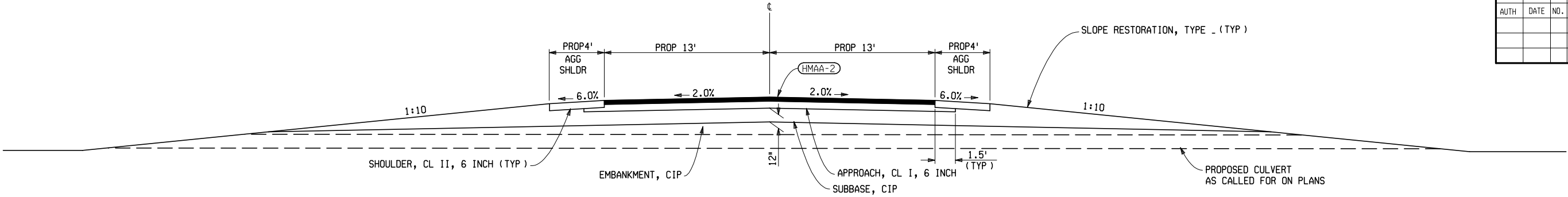


TABLE OF CONTENTS

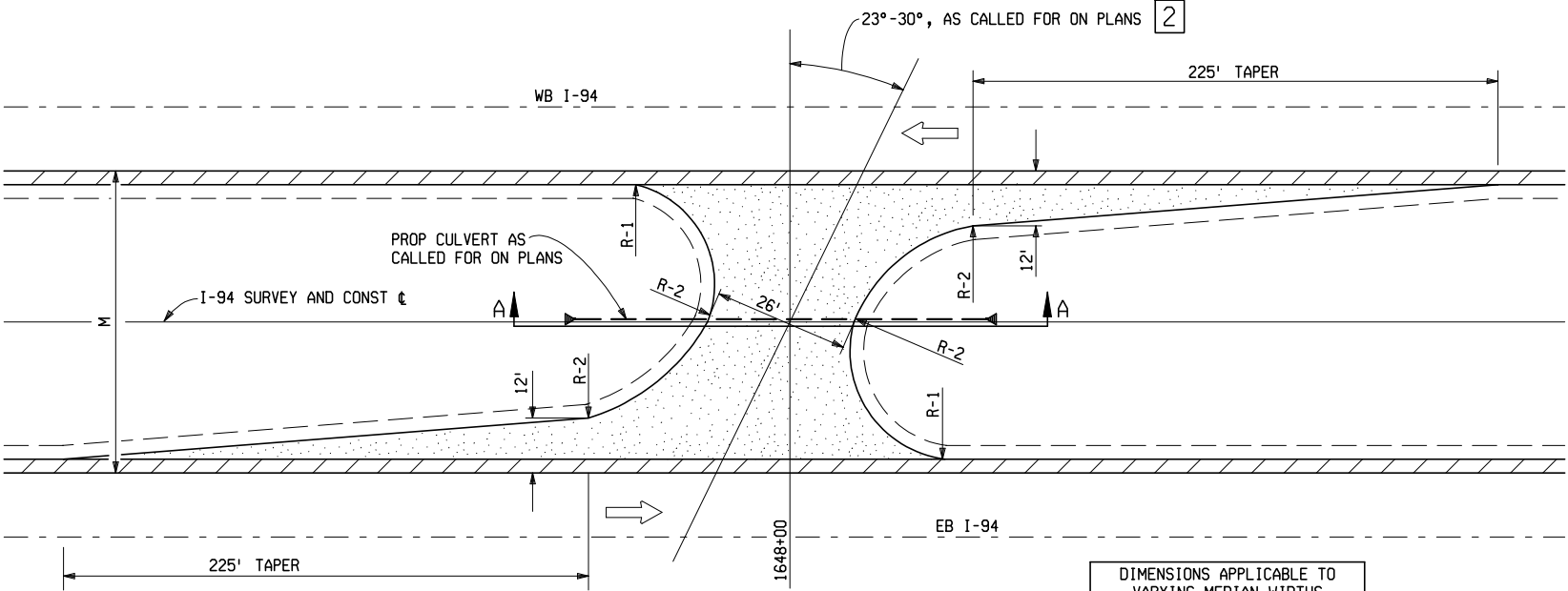
- 5-1) DETAILS SHOWN ARE MAINTENANCE CROSSOVERS, DETAIL M AND L DRIVEWAYS WITH CURB AND GUTTER AND A DRIVEWAY GRADING DETAIL.
- 5-2) DETAILS SHOWN ARE DIFFERENT TYPES OF DETAIL III INTERSECTIONS. THESE INTERSECTIONS SHOULD HAVE A TYPICAL CROSS SECTION.
- 5-3) DETAILS SHOWN ARE VARIOUS DRIVEWAYS IN RURAL AREAS, LONGITUDINAL HMA SURFACING DETAIL AND SOME DITCHING TYPICAL 1/2 CROSS SECTIONS WITH FLUSH SHOULDERS OR WITH CURB AND GUTTER.
- 5-4) DETAILS SHOWN ARE FOR A DRIVEWAY CULVERT EXTENSION.
- 5-5) DETAILS SHOWN ARE FOR GUARDRAIL LAYOUT DETAILS.

- 1 PUT THE CLEAR ZONE DIMENSION HERE
- 2 PLACE ANGLE ON PLANS

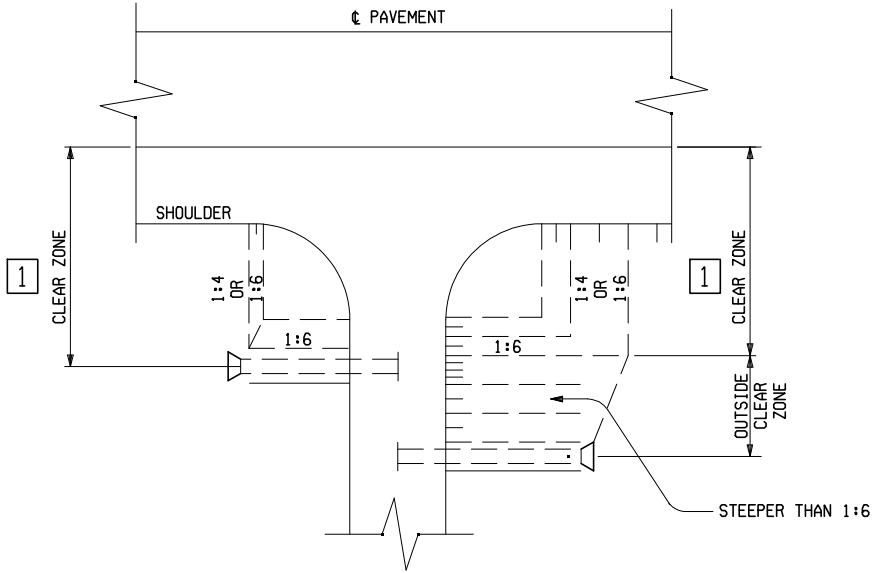
FINAL R.O.W.			
AUTH	DATE	NO.	REVISION



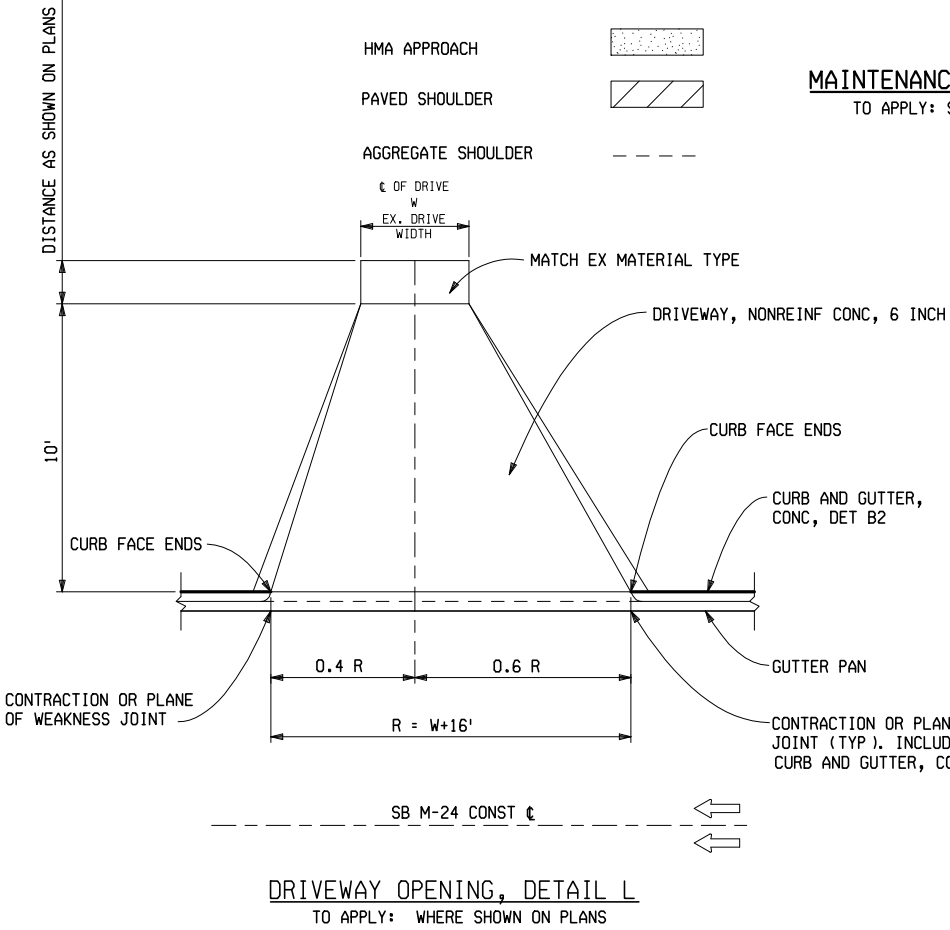
SECTION A-A



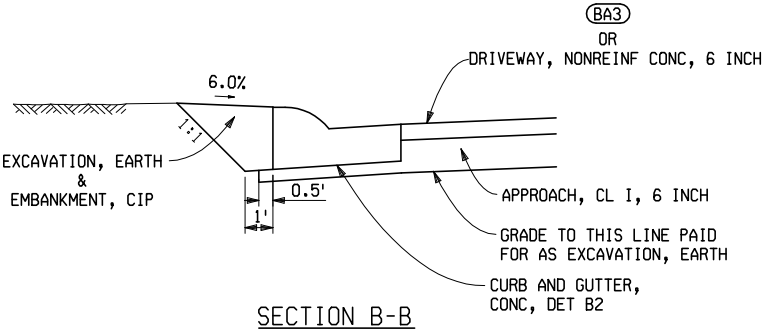
DIMENSIONS APPLICABLE TO VARYING MEDIAN WIDTHS			
M	R-1	R-2	
94'	28.48'	63.45'	
70'	19.89'	43.51'	
60'	16.31'	35.24'	
50'	12.73'	26.93'	
40'	9.16'	18.61'	



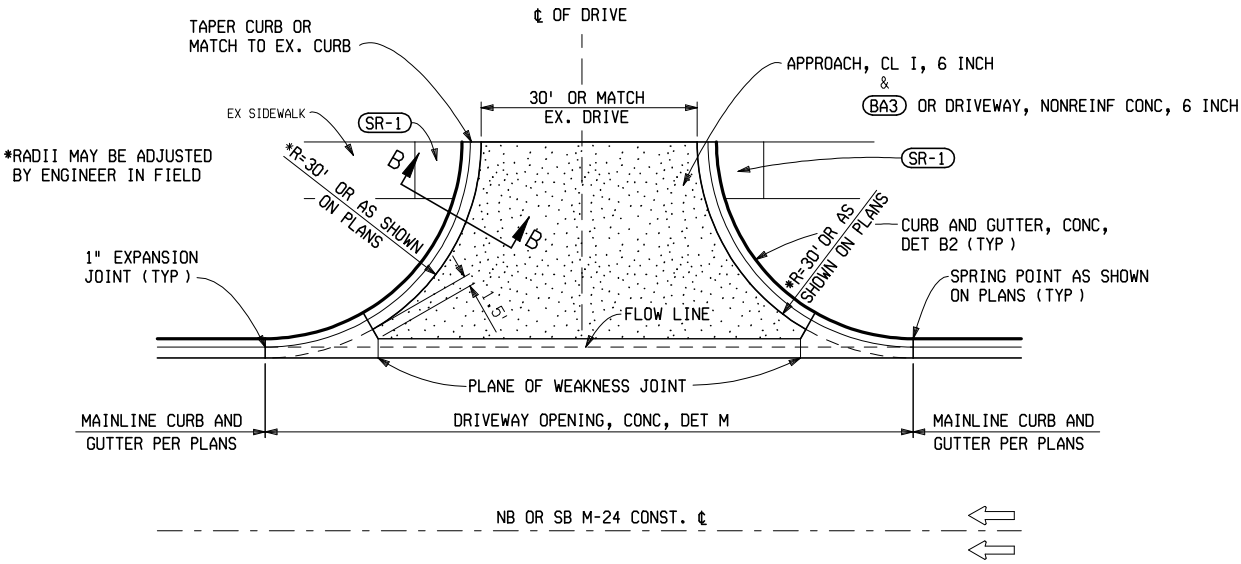
DRIVE GRADING DETAIL
TO APPLY: WHERE SHOWN ON PLANS



MAINTENANCE CROSSOVER
TO APPLY: STA 1648+00



SECTION B-B



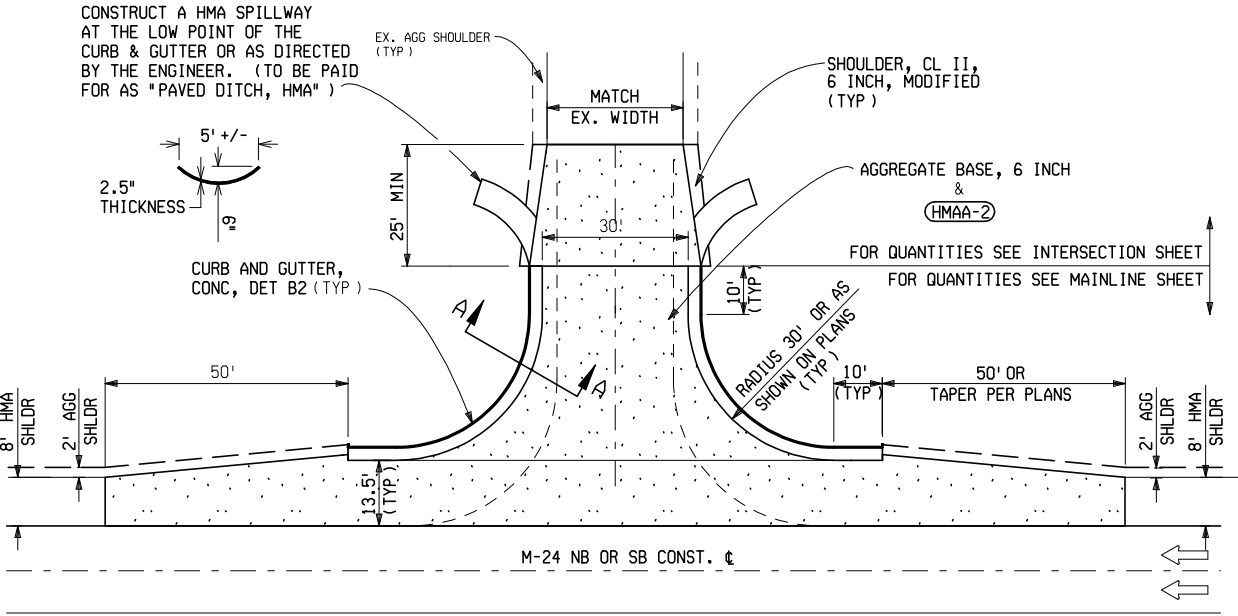
DRIVEWAY OPENING, DETAIL M
TO APPLY: WHERE SHOWN ON PLANS

5-1

<div> <div>MDOT</div> <div>Michigan Department of Transportation</div> </div>	MISCELLANEOUS DETAILS				
DATE	CONT. SEC.	JOB NO.	DESIGN UNIT	SHEET NO.	R.O.W CONST.
04/05/07					

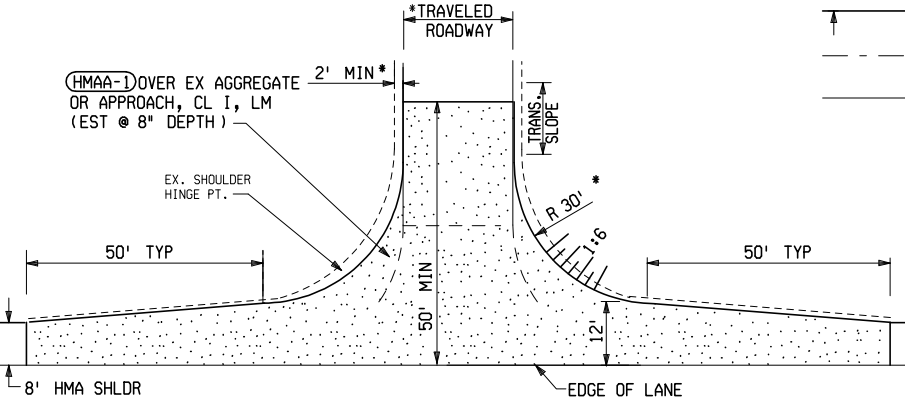
DATE: WORKED ON BY: DATE: WORKED ON BY: DATE: CHECKED BY: FILE NAME:

FINAL R.O.W.			
AUTH	DATE	NO.	REVISION

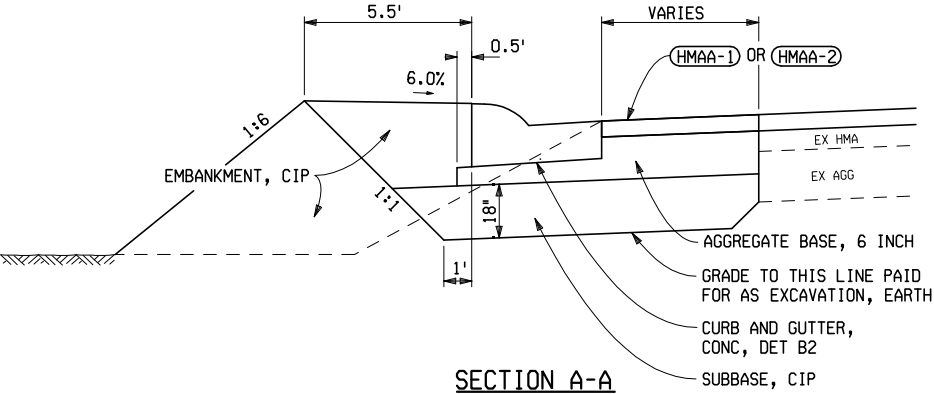


APPROACH TREATMENT - DETAIL III - TYPE 1

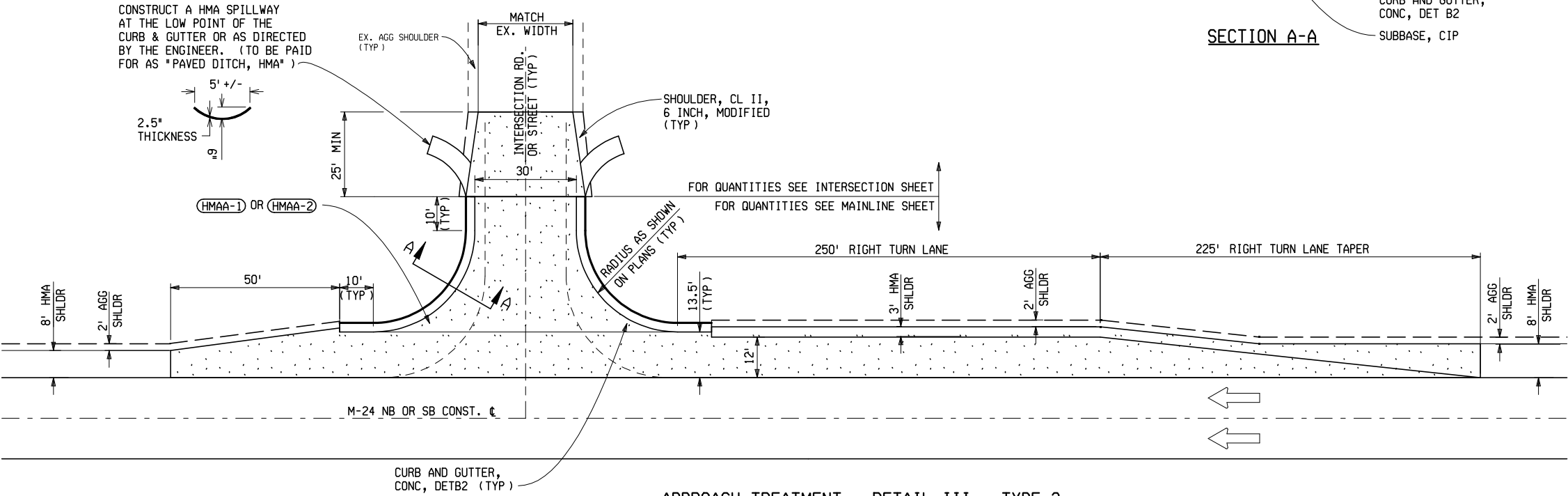
TO APPLY: MARY LOU LN
PAMELA LN
ROBERTS DR
CALEY RD



DETAIL II APPROACH
TO APPLY: AT DERBY ROAD



SECTION A-A



APPROACH TREATMENT - DETAIL III - TYPE 3

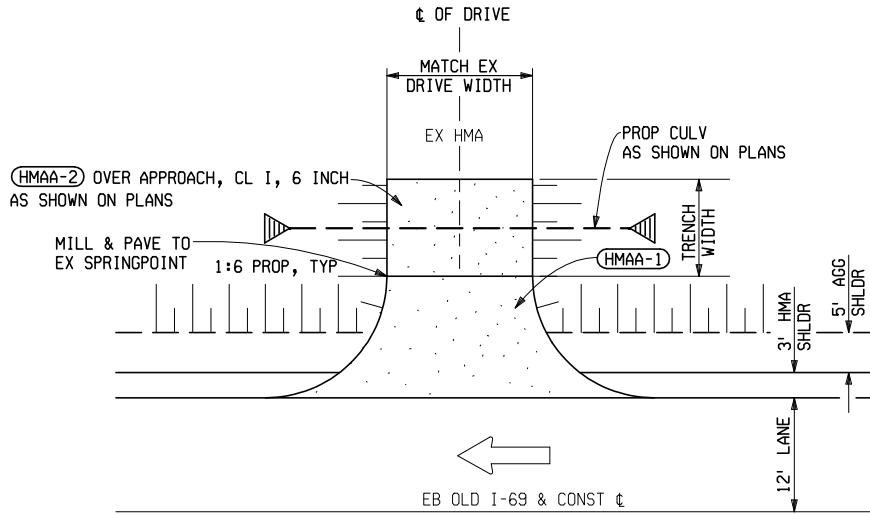
TO APPLY: BRAUER RD (BA2) BEST RD (BA2)
SB M-24 @ BROCKER RD (BA1) KILE RD (BA2)



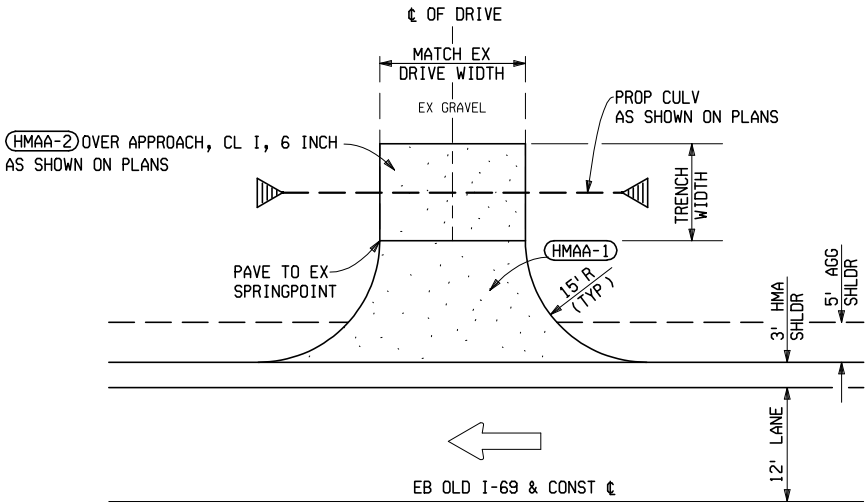
MISCELLANEOUS DETAILS

DATE	CONT. SEC.	JOB NO.	DESIGN UNIT	SHEET NO.
04/05/07				R.O.W CONST.

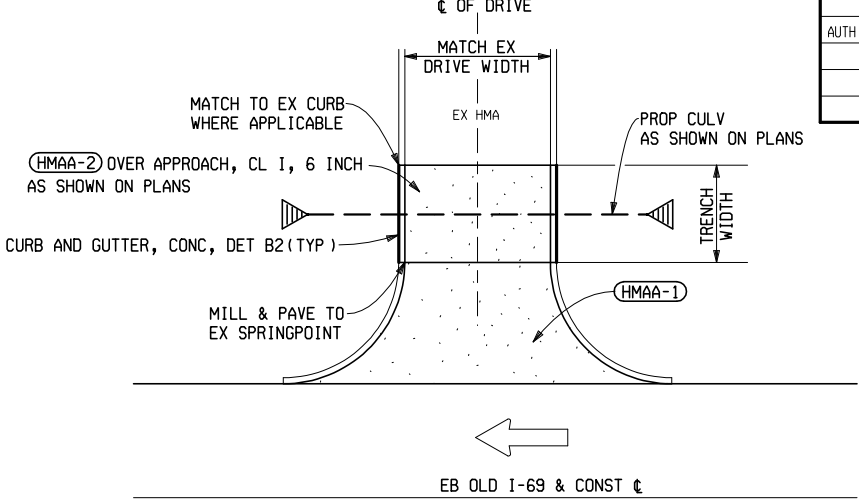
FINAL R.O.W.			
AUTH	DATE	NO.	REVISION



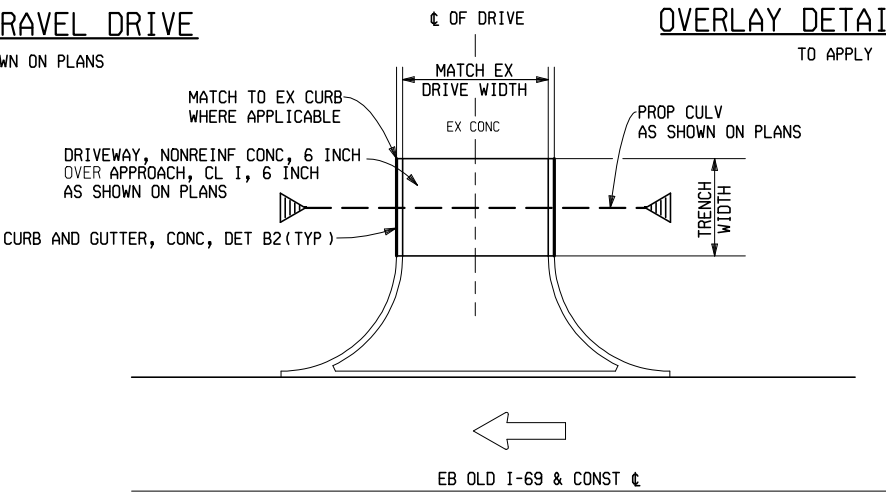
OVERLAY DETAIL HMA DRIVE
TO APPLY: WHERE SHOWN ON PLANS



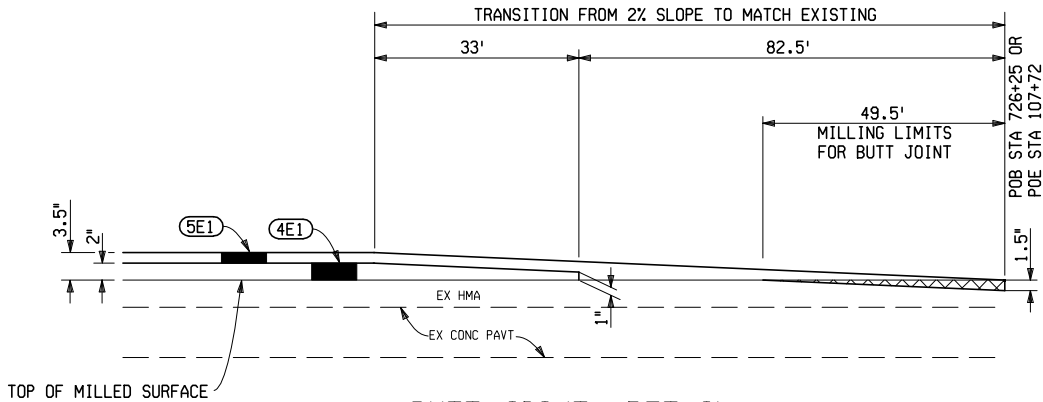
OVERLAY DETAIL GRAVEL DRIVE
TO APPLY : WHERE SHOWN ON PLANS



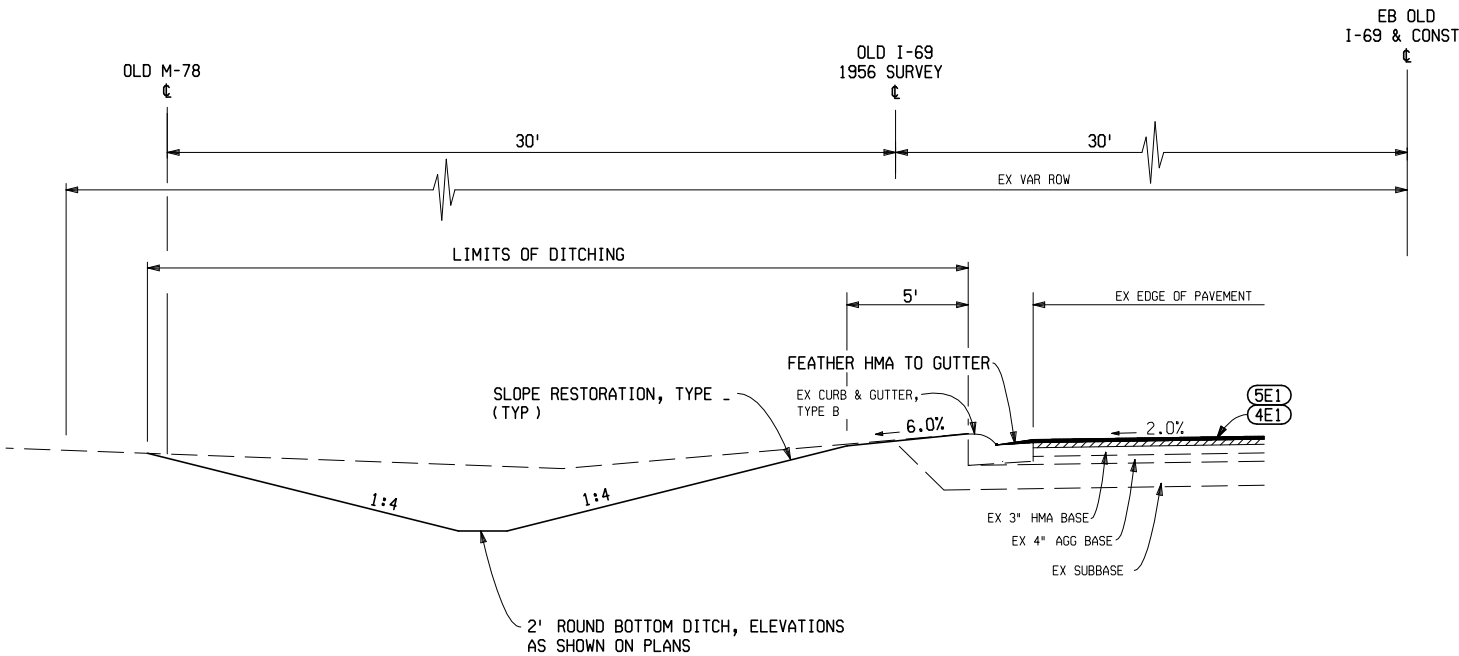
OVERLAY DETAIL HMA W/ C&G DRIVE
TO APPLY : WHERE SHOWN ON PLANS



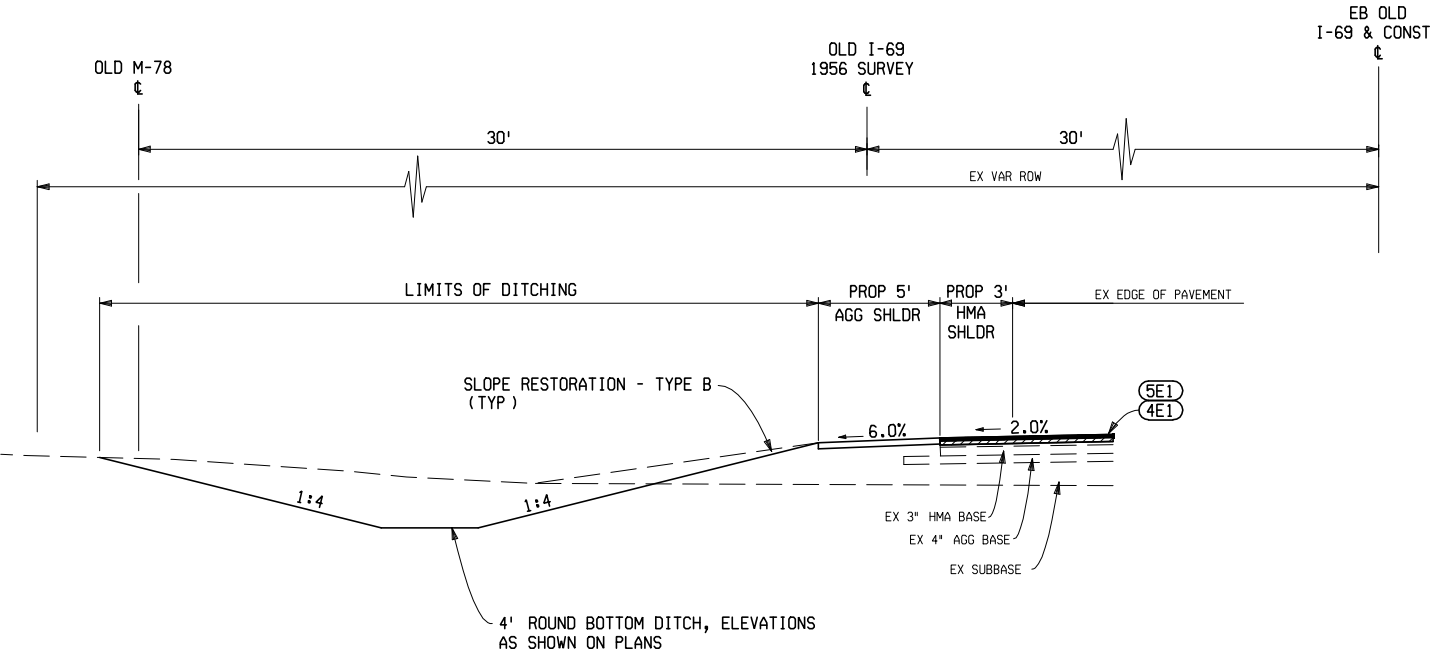
CONC W/ C&G DRIVE
TO APPLY : WHERE SHOWN ON PLANS



BUTT JOINT DETAIL
TO APPLY: POB & POE & B01 OF



PROPOSED OLD I-69 DITCH SECTION
TO APPLY: STA 726+25 (POB) TO STA 731+42 LT



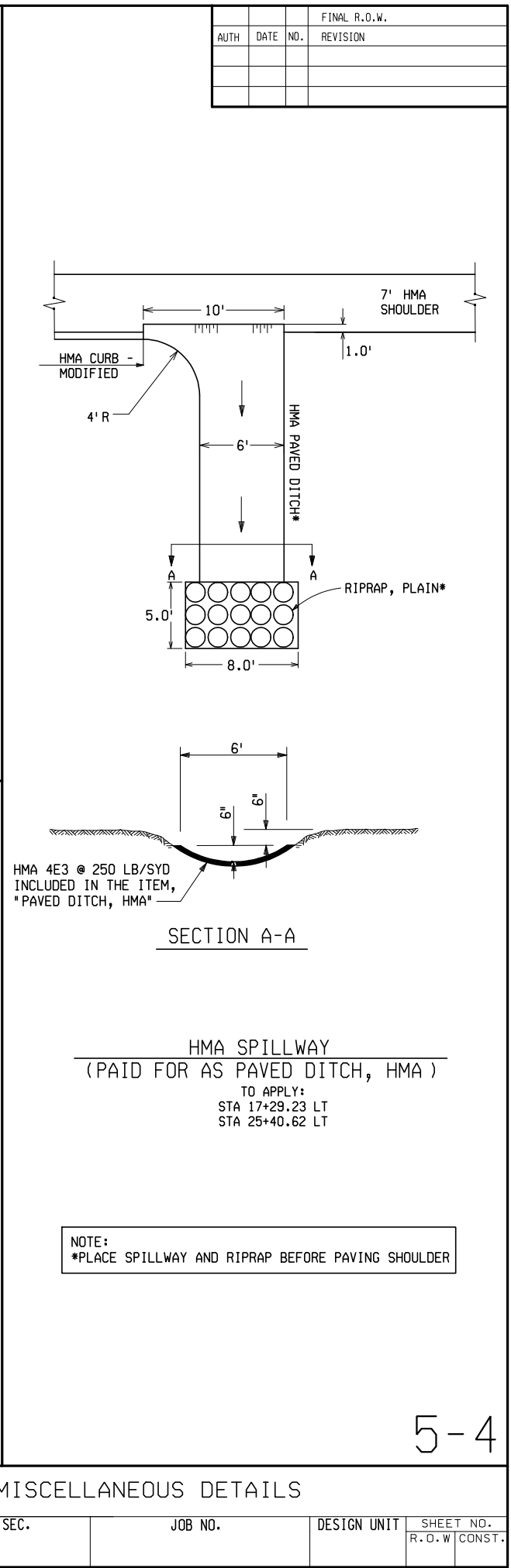
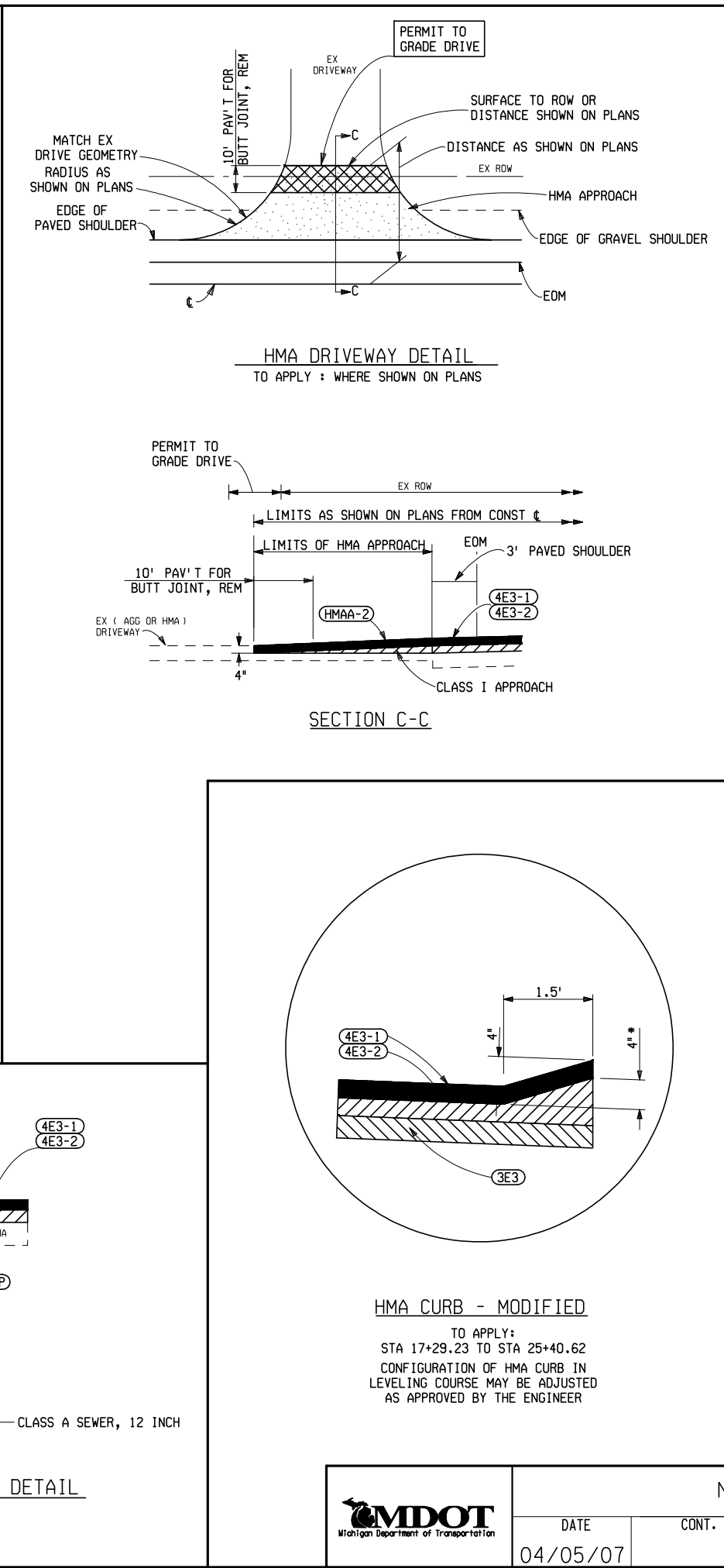
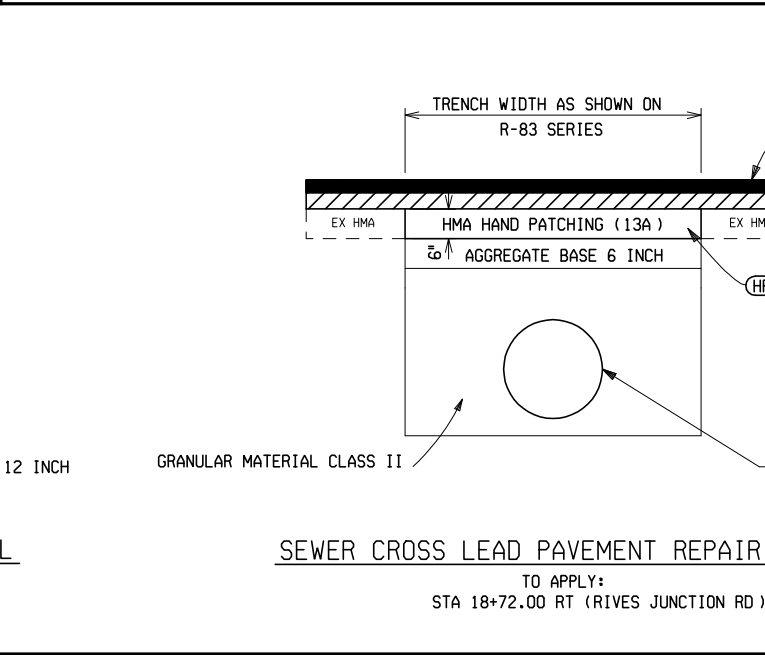
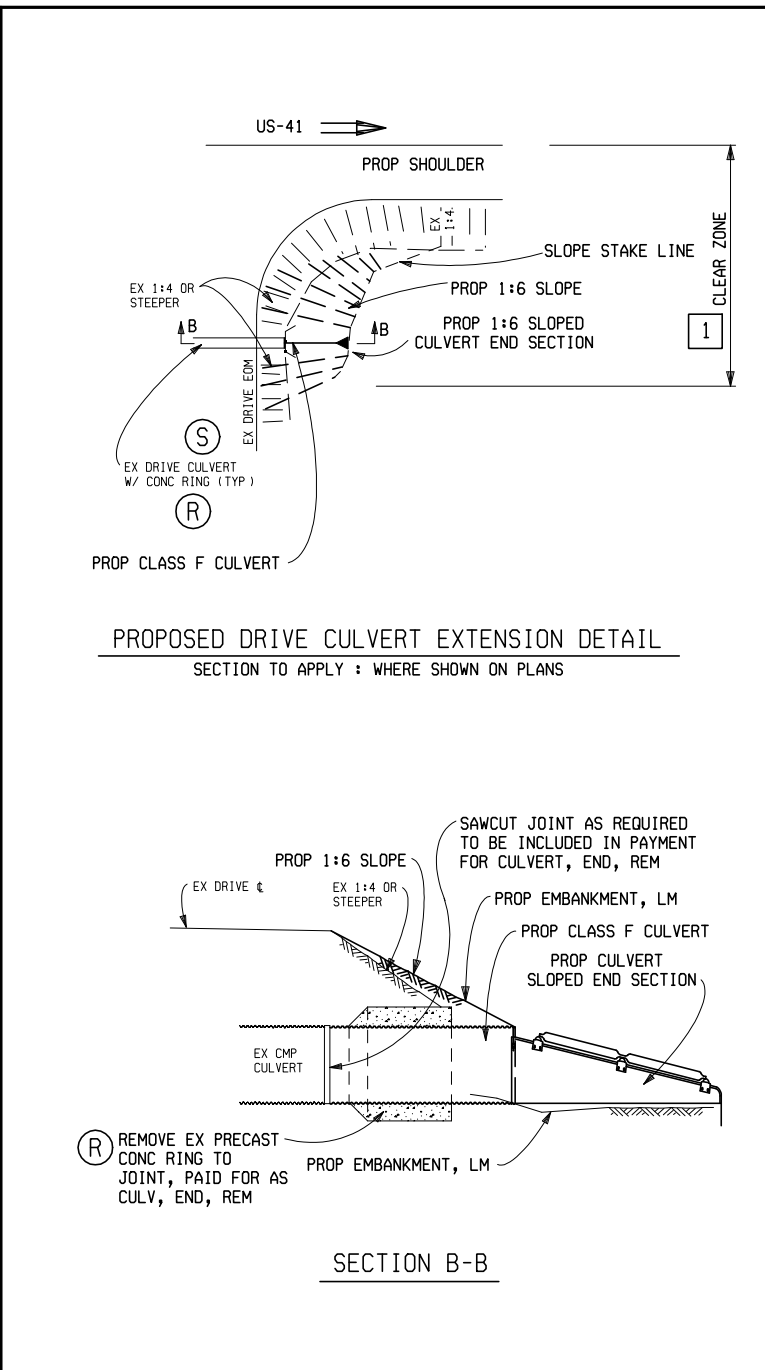
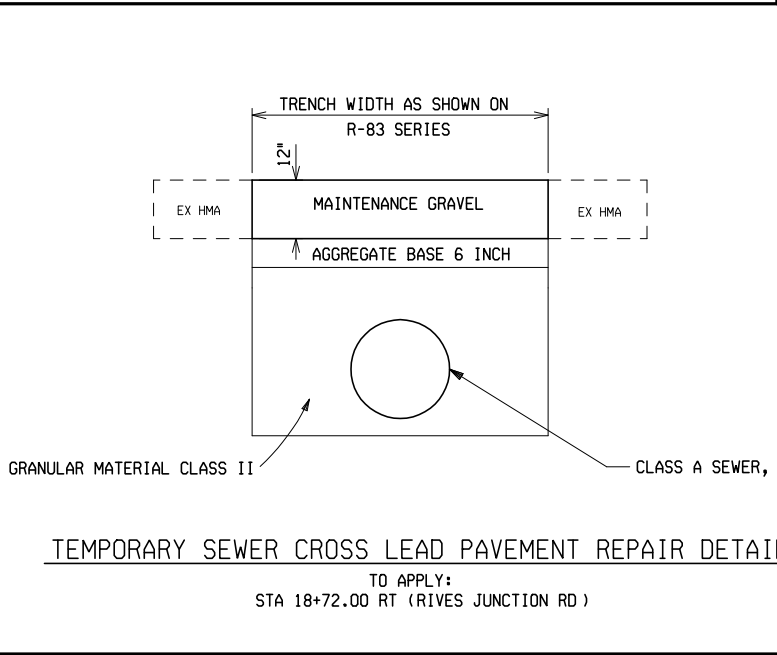
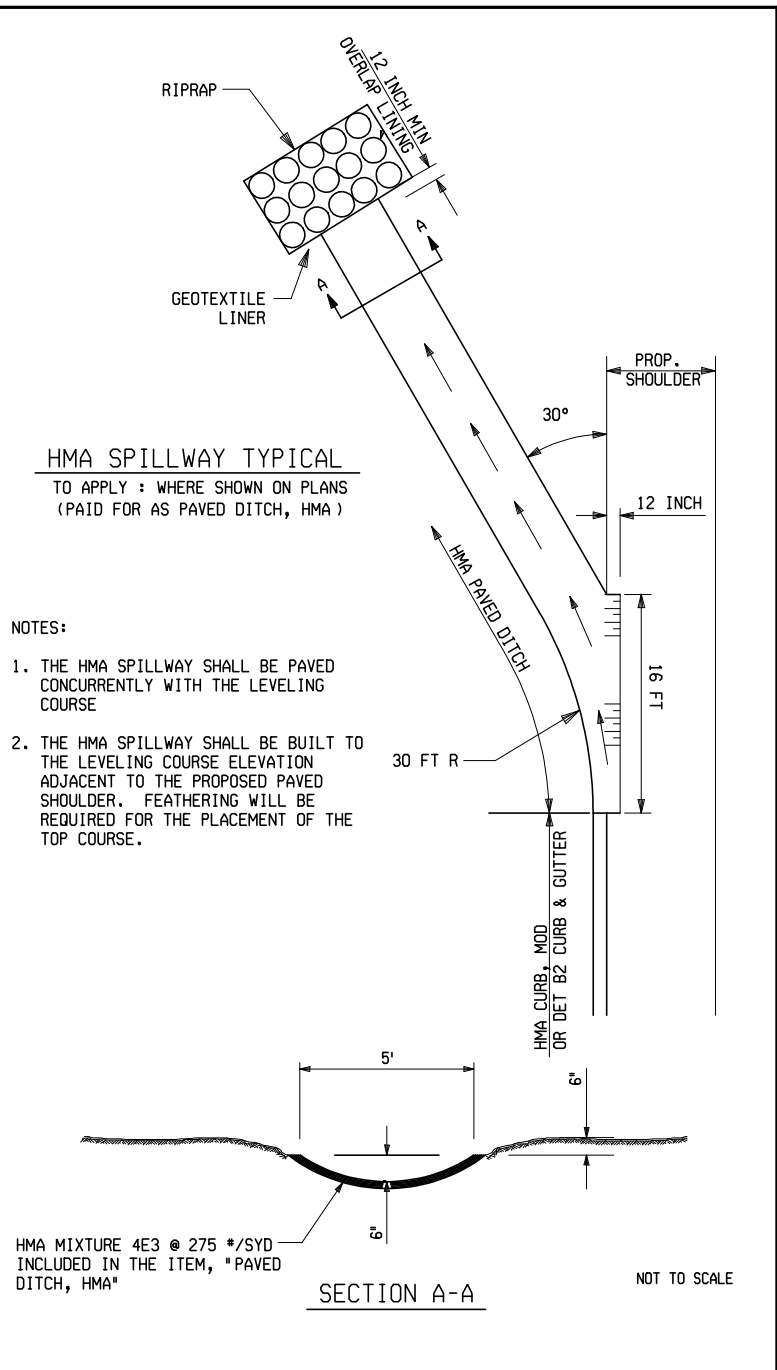
PROPOSED OLD I-69 DITCH SECTION
TO APPLY: STA 731+42 TO STA 757+25 LT



MISC DETAILS

DATE	CONT. SEC.	JOB NO.	DESIGN UNIT	SHEET NO.
04/05/07				R.O.W CONST.

5-3

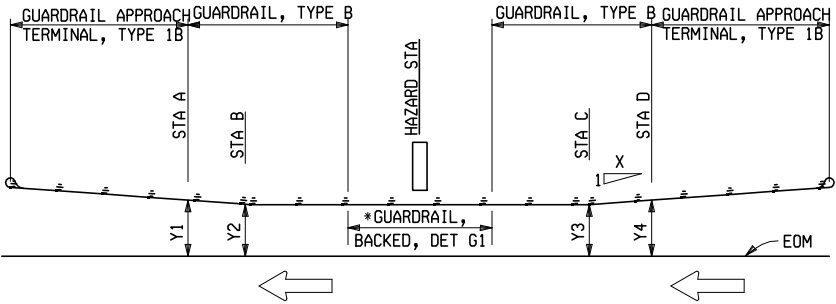


MISCELLANEOUS DETAILS				
DATE	CONT. SEC.	JOB NO.	DESIGN UNIT	SHEET NO.
04/05/07				R.O.W CONST.

GUARDRAIL LAYOUT DETAIL 1

DIRECTION	HAZARD STA	STA A	STA B	STA C	STA D	Y1	Y2	Y3	Y4	X
LEFT	337+31.24	336+62.49	336+87.49	337+74.99	338+12.49	13.79'	12.00'	12.00'	14.68'	14
RIGHT	337+65.26	338+09.01	338+09.01	337+21.51	336+84.01	12.00'	12.00'	12.00'	14.68'	14
LEFT	359+95.56	358+89.31	359+51.81	360+39.31	361+26.81	16.46'	12.00'	12.00'	18.25'	14
RIGHT	391+54.52	391+98.17	391+85.67	391+10.67	391+10.67	12.00'	12.00'	12.00'	12.89'	14
LEFT	391+82.77	391+26.52	391+39.02	392+26.52	392+51.52	12.89'	12.00'	12.00'	13.79'	14
RIGHT	480+53.42	480+97.17	480+97.17	480+09.67	479+97.17	12.00'	12.00'	12.00'	12.89'	14
LEFT	530+38.25	529+94.50	529+94.50	530+82.00	530+94.50	12.00'	12.00'	12.00'	12.89'	14
RIGHT	530+88.87	531+32.62	531+32.62	530+45.12	530+45.12	12.00'	12.00'	12.00'	12.00'	14
*LEFT	554+72.96	554+10.46	554+47.96	554+97.96	555+35.46	13.79'	12.00'	12.00'	14.68'	14
*RIGHT	585+22.27	585+72.27	585+47.27	584+97.27	584+47.27	13.79'	12.00'	12.00'	15.57'	14
*LEFT	585+22.27	584+97.27	584+97.27	585+47.27	585+47.27	12.00'	12.00'	12.00'	12.00'	14
*LEFT	610+82.04	610+44.54	610+57.04	611+07.04	611+32.04	12.89'	12.00'	12.00'	13.79'	14
*RIGHT	611+08.12	612+08.12	611+33.12	610+83.12	610+33.12	17.36'	12.00'	12.00'	15.57'	14
LEFT	636+86.73	636+42.98	636+42.98	637+30.48	637+67.98	3.50'	3.50'	3.50'	6.10'	11
RIGHT	636+89.60	636+14.60	636+52.10	636+89.60	636+89.60	6.89'	3.60'	3.60'	3.60'	11
RIGHT	658+31.42	659+00.17	658+75.17	657+87.67	657+25.17	5.87'	3.50'	3.50'	5.08'	11
LEFT	658+70.29	658+14.04	658+26.54	659+14.04	659+89.04	4.72'	3.50'	3.50'	10.31'	11

*DOES NOT APPLY

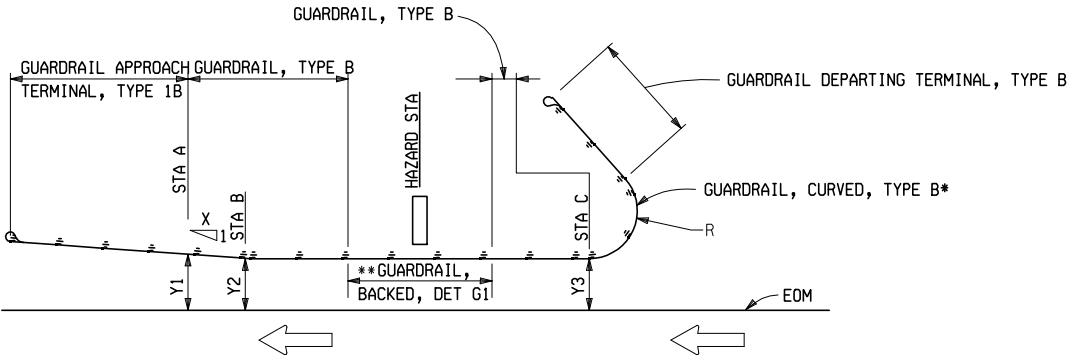


GUARDRAIL LAYOUT DETAIL 1

GUARDRAIL LAYOUT DETAIL 2

DIRECTION	HAZARD STA	STA A	STA B	STA C	Y1	Y2	Y3	R	X	CURVED RAIL LENGTH
RIGHT	359+95.56	361+01.81	360+39.31	359+76.81	16.46'	12.00'	12.00'	25.00'	14	37.5'
**LEFT	480+53.42	480+03.42	480+28.42	480+53.42	17.29'	15.50'	15.50'	12.50'	14	25.0'

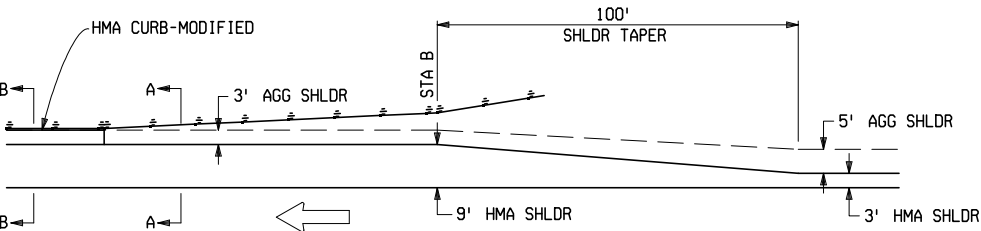
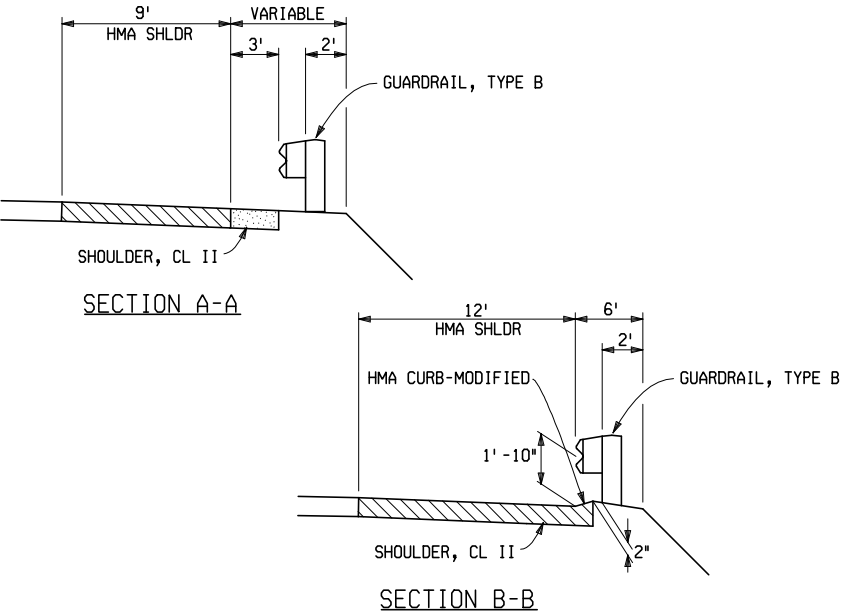
**DOES NOT APPLY



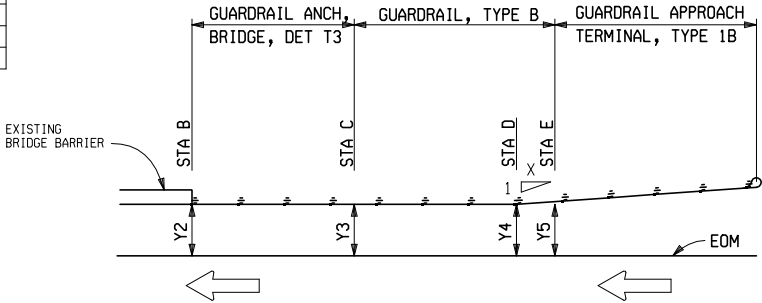
GUARDRAIL LAYOUT DETAIL 2
*LAYOUT AND CRT POSTS AS PER SPECIAL DETAIL 21

GUARDRAIL LAYOUT DETAIL 3 & 4

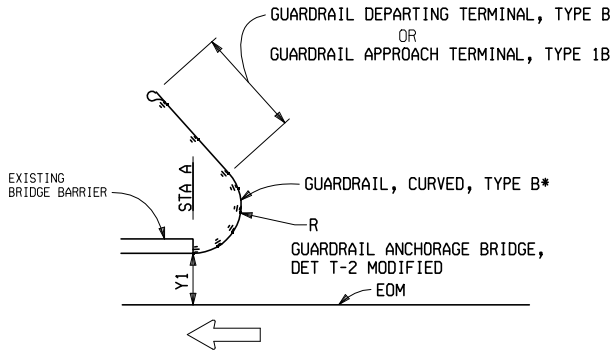
DIRECTION	STA A	STA B	STA C	STA D	STA E	Y1	Y2	Y3	Y4	Y5	R	X	CURVED RAIL LENGTH	TERMINAL
RIGHT		539+34.72	539+34.72	539+09.72	539+09.72									
LEFT	539+35.00					6.90'	13.80'	13.80'	13.80'	13.80'			37.5'	APPROACH
RIGHT	540+40.98					12.60'					25.00		12.5'	DEPARTING
LEFT		540+41.53	540+41.53	540+66.53	540+66.53		8.50'	8.50'	8.50'	8.50'				
RIGHT		727+69.56	727+32.06	727+32.06	726+82.06		9.40'	9.40'	9.40'	13.98'		11		
LEFT		728+57.44	728+57.44	728+82.44	728+82.44		10.30'	10.30'	10.30'	10.30'				



TYPICAL GUARDRAIL DETAIL



GUARDRAIL LAYOUT DETAIL 3



GUARDRAIL LAYOUT DETAIL 4
*LAYOUT AND CRT POSTS AS PER SPECIAL DETAIL 21

CONSTRUCTION SHEET

5-5

GUARDRAIL LAYOUT SHEET				
DATE	CONT. SEC.	JOB NO.	DESIGN UNIT	SHEET NO.
04/06/07				R.O.W CONST.

AUTH	DATE	NO.	REVISION

FINAL R.O.W.

DATE:

WORKED ON BY:

DATE:

WORKED ON BY:

DATE:

CHECKED BY:

FILE NAME: